

**DECLARATION IN ORIGINAL APPLICATION**

U.S. Attorney Docket No.: SI01-015

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **OPTICAL COUPLING DEVICE**.

The specification of which (check only one item below):

☐ is attached hereto

☒ was filed as United States Application Serial No. 10/031,900 on 1/19/02  
and was amended on (if applicable)

☐ was filed as PCT international application number , on , and was  
amended under PCT Article 19 on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

☒ **Country:** Germany **Application No.:** 19934179.6 **Filing Date:** 7/21/99

☐ **NONE**

I hereby claim the benefit under Title 35 United States Code § 119(e) and § 120 of any United States application(s) or 365(c) of any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

☐ **Provisional No.:** **Filed:** **Status:**

☒ **Application No.:** **Filed:** **Status:**

**PCT Application No:** DE00/02398 **Filed:** 7/21/00 **Status:** Pending

☐ **NONE**

Gerhard Heise

## DECLARATION IN ORIGINAL APPLICATION

U.S. Attorney Docket No.: SI01-015

As a below named inventor, I declare that:

My residence, Post Office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **OPTICAL COUPLING DEVICE**.

The specification of which (check only one item below):

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amended under PCT Article 19 on (if applicable).

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I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, on the same subject matter, having a filing date before that of the application on which priority is claimed:

☒ Country: Germany Application No.: 19934179.6 Filing Date: 7/21/99

☐ NONE

I hereby claim the benefit under Title 35 United States Code § 119(e) and § 120 of any United States application(s) or 365(c) of any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

☐ Provisional No.:

Filed:

Status:

☒ Application No.:

Filed:

Status:

PCT Application No:DE00/02398

Filed: 7/21/00

Status: Pending

☐ NONE

Gerhard Heise

(U.S.)

Attorney Docket No.: SI01-015

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Schweiker, et al

**Serial No.:**

**Filed:**

**For:** OPTICAL COUPLING DEVICE

**COMBINED  
CERTIFICATE UNDER  
37 C.F.R. § 3.73(b)  
and  
POWER OF ATTORNEY**

Assistant Commissioner for Patents  
Washington, DC 20231

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**CERTIFICATE UNDER 37 C.F.R. § 3.73(b)**

**CORNING INCORPORATED**, a New York corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventor(s) of the patent application identified above. A true copy of the unrecorded Assignment is attached hereto.

The undersigned has reviewed the above referenced assignment of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

(U.S.)

Attorney Docket No.: SI01-015

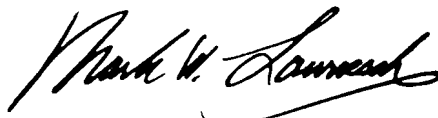
### POWER OF ATTORNEY BY ASSIGNEE

CORNING INCORPORATED, the assignee of the full and exclusive right, title and interest in and to the accompanying application for United States Letters Patent entitled **OPTICAL COUPLING DEVICE** and executed by Wolfgang Schweiker, Mathias Kampf, Gerhard Heise, on March 14, 2002, April 24, 2002, April 15, 2002 respectively, appoints the practitioners associated with the Customer Number provided below (i.e., the practitioners associated with the Patent Department, Corning Incorporated) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all correspondence to Walter M. Douglas at the address associated with that Customer Number.

Customer Number: 22928

CORNING INCORPORATED

Date: May 30, 2002

By   
Mark W. Lauroesch  
Assistant Secretary

## PATENT ASSIGNMENT COVER SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached documents or copy thereof.

(1) Conveying Party(ies): Wolfgang Schweiker  
Mathias Kampf  
Gerhard Heise

Title: OPTICAL COUPLING DEVICE

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

(2) Receiving Party: Corning Incorporated  
Patent Dept.; SP-TI-03-1  
Corning, NY 14831

(3) Nature of conveyance: Assignment executed:

(4) Application number(s) and/or patent number(s) against which this assignment is to be recorded:

A. Patent Application No.(s): 10/031,900  
Filing date: 1/19/02

B. Patent No.(s):  
Filing date:

If this document is being filed together with a new application, this assignment is also to be recorded against said application, executed on \_\_\_\_.

(5) Name and address of party to whom correspondence concerning document should be mailed:

Name: Walter M. Douglas  
Reg. No. 34,510  
Corning Incorporated  
Patent Department  
SP-TI-03-1  
Corning, NY 14831  
Phone No.: (607) 974-2431

(6) Total Number of applications and/or patents involved: one

(7) Total Fee = \$40.00

- ☐ Enclosed (Check No. )  
☐ Included with filing fee. Check No. \_\_\_\_.  
☒ Authorization given by Corning Incorporated to charge deposit account number  
03-3325 (attached is a triplicate copy of this page)

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Walter M. Douglas  
Walter M. Douglas

30 May 2002  
Date

Total number of pages comprising cover sheet: 4

### ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **OPTICAL COUPLING DEVICE**, such inventions being generally described in an application as set forth in United States Patent Application Serial No. 10/031,900 filed 1/19/02, for Letters Patent of the United States executed on

<i>DATE</i>	March 14, 2002
<i>DATE</i>	April 24, 2002
<i>DATE</i>	April 15, 2002

and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.



(U.S. Regular Application)

Attorney Docket No.: SI01-015

Signed:

03/14/02  
Date

Wolfgang Schweiker  
Wolfgang Schweiker

04/15/2002  
Date

Mathias Kampf  
Gerhard Heise  
Mathias Kampf  
Gerhard Heise

On the 14 day of CB 2002, before me personally came **Wolfgang Schweiker** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

A. Ried  
Witness

On the 15<sup>th</sup> day of April 2002, before me personally came **Mathias Kampf** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Julius Heise  
Witness

On the 15<sup>th</sup> day of April 2002, before me personally came **Gerhard Heise** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Helmut Heise  
Witness

## ASSIGNMENT

FOR VALUE RECEIVED, I, as a below named inventor, hereby sell, assign and transfer unto Corning Incorporated, a corporation organized and existing under the laws of the State of New York, having its principal place of business at Corning, New York, (hereinafter CORNING), as assignee, and unto its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to a **OPTICAL COUPLING DEVICE**, such inventions being generally described in an application as set forth in United States Patent Application Serial No. 10/031,900 filed 1/19/02, for Letters Patent of the United States executed on

*DATE* March 14, 2002

*DATE* April 24, 2002

*DATE* April 15, 2002

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and in any future patent applications claiming the benefit of the filing date of that application, and all the rights and privileges under any and all Letters Patents that may be granted therefore.

I request that any and all patents for said inventions be issued to CORNING, its successors, assigns and legal representatives, or to such nominees as CORNING may designate.

I agree that, when requested, I will, without charge to CORNING and at CORNING's expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in CORNING, its successors, assigns and legal representatives or nominees.

I authorize and empower CORNING, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for said Convention or entered as a supplement to, and to invoke and claim such right of priority without further written or oral authorization.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of CORNING, or its successors, assigns and legal representatives or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it or entered as a supplement to it.

I covenant with CORNING, its successors, assigns and legal representatives or nominees, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed:

Date

04/24/2002

Date

Wolfgang Schweiker

Mathias Kampf

Date

Gerhard Heise

On the \_\_\_\_ day of \_\_\_\_\_ 2002, before me personally came **Wolfgang Schweiker** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Witness

On the 24 day of April 2002, before me personally came **Mathias Kampf** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Witness

On the \_\_\_\_ day of \_\_\_\_\_ 2002, before me personally came **Gerhard Heise** known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same.

Witness